### Anterior Accessory GSV

**Common in thigh**

- Parallel to the GSV

- In the saphenous compartment
  - Course more anterior in saphenous space
  - Aligns with SFA and Femoral V on DUS

**AA GSV** can functionally be the 'GSV'

with GSV hypoplasia or aplasia
**Superficial Accessory Saphenous Vein**

- GSV tributary that runs parallel to the GSV
  - Outside the saphenous space

**SSV Variability**

- Variable deep vein termination

**Deep Vein variants: Duplications**

- Femoral — 21% limbs
- Popliteal — 1% limbs
- Both Fem and pop — 6% limbs

**Failure of Sciatic Vein regression → femoral popliteal variants**

**Small Femoral Vein**

Large popliteal to sciatic to deep femoral vein

Failure of Sciatic Vein regression → femoral popliteal variants

<table>
<thead>
<tr>
<th>Level of femoral ligament</th>
<th>Lateral RLE</th>
<th>True Sciatic Vein</th>
<th>Lateral RLE</th>
<th>True Sciatic Vein</th>
</tr>
</thead>
<tbody>
<tr>
<td>Normal Embryological Development</td>
<td>1.0</td>
<td>1.0</td>
<td>2.0</td>
<td>2.0</td>
</tr>
<tr>
<td>Scatic rerouting to DFA</td>
<td>2.0</td>
<td>2.0</td>
<td>3.0</td>
<td>3.0</td>
</tr>
</tbody>
</table>

Failure of Sciatic Vein regression → femoral popliteal variants

<table>
<thead>
<tr>
<th>Level of femoral ligament</th>
<th>Lateral RLE</th>
<th>True Sciatic Vein</th>
<th>Lateral RLE</th>
<th>True Sciatic Vein</th>
</tr>
</thead>
<tbody>
<tr>
<td>Normal Embryological Development</td>
<td>1.0</td>
<td>1.0</td>
<td>2.0</td>
<td>2.0</td>
</tr>
<tr>
<td>Scatic rerouting to DFA</td>
<td>2.0</td>
<td>2.0</td>
<td>3.0</td>
<td>3.0</td>
</tr>
</tbody>
</table>

Failure of Sciatic Vein regression → femoral popliteal variants

<table>
<thead>
<tr>
<th>Level of femoral ligament</th>
<th>Lateral RLE</th>
<th>True Sciatic Vein</th>
<th>Lateral RLE</th>
<th>True Sciatic Vein</th>
</tr>
</thead>
<tbody>
<tr>
<td>Normal Embryological Development</td>
<td>1.0</td>
<td>1.0</td>
<td>2.0</td>
<td>2.0</td>
</tr>
<tr>
<td>Scatic rerouting to DFA</td>
<td>2.0</td>
<td>2.0</td>
<td>3.0</td>
<td>3.0</td>
</tr>
</tbody>
</table>
Conclusions
Anatomy standard with some variability

- Superficial venous variability
  - SSV and its variable termination
  - Anterior Accessory saphenous vein
    - Inside the saphenous space
    - Superficial accessory saphenous vein
    - Outside the saphenous space

- Awareness of deep vein variability
  - Avoid false negative diagnosis of acute DVT
  - Avoid false positive diagnosis of previous DVT
    - with congenital sciatic vein dominance

Thank you for your attention